

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

FEDERAL-STATE-PRIVATE
COOPERATIVE SNOW SURVEYS

2.9
3Wa
2



WATER SUPPLY OUTLOOK FOR UTAH

U. S. DEPT. OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY
RECEIVED

OCT 21 1971

PROCUREMENT SECTION
CURRENT SERIAL RECORDS

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation,
Utah Fish and Game Dept., Utah State University, U.S. National
Park Service, U.S. Geological Survey, and other Federal, State,
and private organizations.

AS OF
APR. 1, 1971

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

|||||
Released by

A. W. HAMELSTROM

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

HUBERT C. LAMBERT

STATE ENGINEER
DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES

|||||
Report prepared by

BOB L. WHALEY, Snow Survey Supervisor

and

PAUL KEIL, Assistant Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
FEDERAL BLDG., ROOM 5434
SALT LAKE CITY, UTAH 84111

PROSPECTIVE WATER SUPPLIES

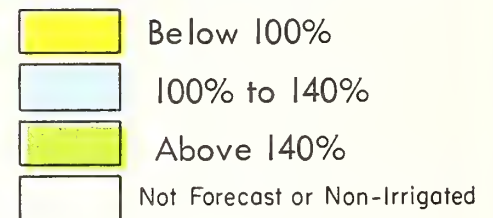
Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

APRIL 1, 1971

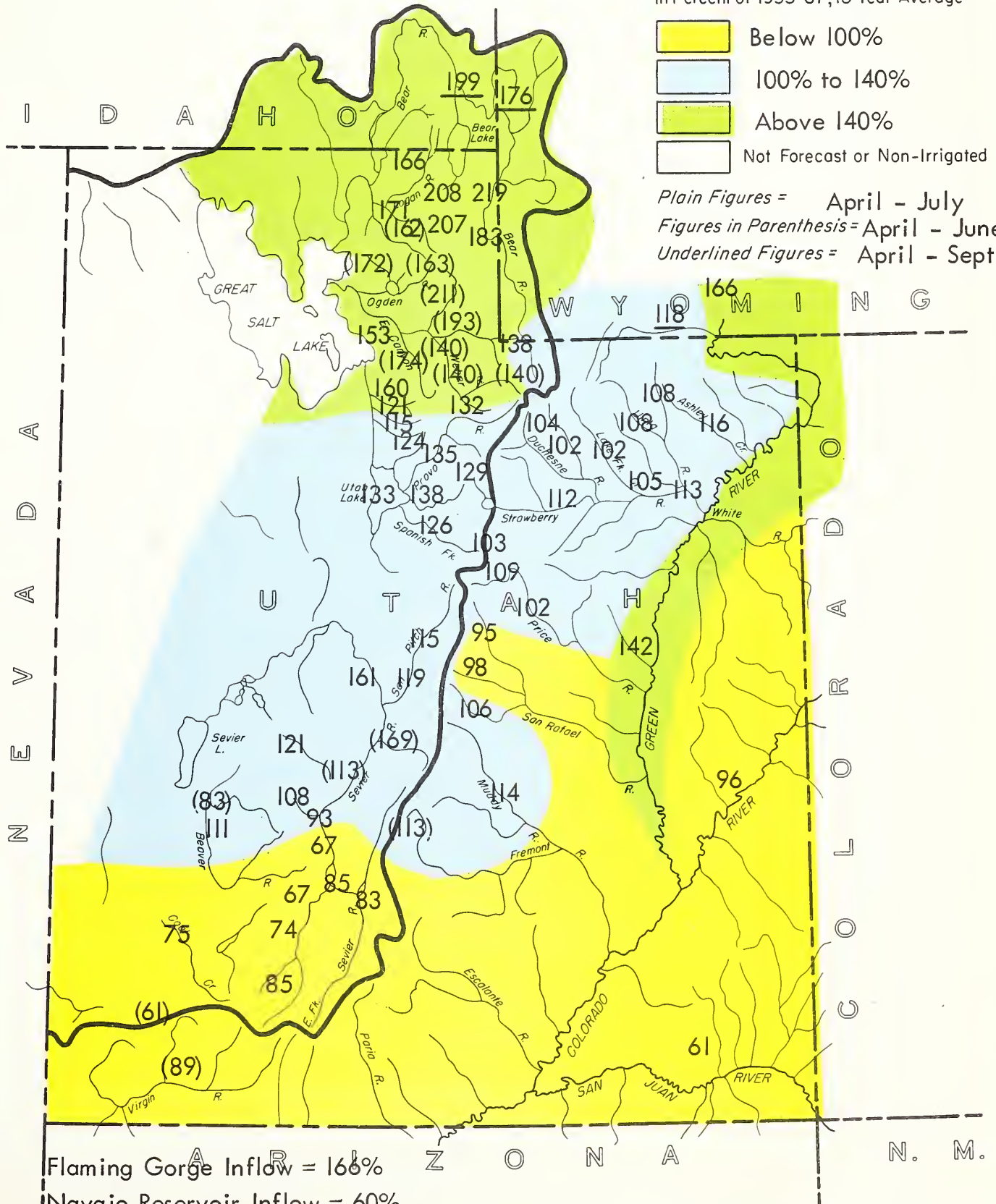
Approximate Date



FORECAST STREAM FLOW
in Percent of 1953-67, 15 Year Average



Plain Figures = April - July
Figures in Parenthesis = April - June
Underlined Figures = April - Sept.



WATER SUPPLY OUTLOOK

as of

APRIL 5, 1971

* Utah's 1971 Water Supply Outlook ranges from "well above *
* average" on the Bear River Watershed to "below average" *
* on the Upper Sevier and Virgin River watersheds. Snow *
* cover continued to build up at above average rates north *
* of Salt Lake but warm temperatures depleted the snow *
* pack in southern Utah. Reservoir storage is 139% of the *
* April 1 average and 97% of last year at this time. *

NORTHERN UTAH

BEAR RIVER

The 1971 Water Supply Outlook for the Bear River Watershed is excellent.

Above average precipitation at higher elevations caused better than average March increases to the snow pack and it now ranges from 122% of the April 1 average on the Bear above Evanston to 192% on the Malad River tributary in Idaho. Logan River snow water content now averages 154% and Blacksmith Fork-Little Bear water contents average 151% of the April 1 average. Snow water content measured at Franklin Basin sets a new record for April 1 at 44.5 inches of water equivalent in 116 inches of snow depth.

Bear Lake had 1,091,000 acre feet as of April 1 (122%), Woodruff Narrows was full at 26,500 acre feet, Hyrum held 11,600 acre feet and Porcupine 8,700 a.f. Bear River is forecast to produce 146,000 acre feet (138%) April through July at the Utah-Wyoming line, 190,000 acre feet (183%) at Woodruff, 160,000 acre feet (219%) at Randolph and 450,000 acre feet (199%) at Harer, Idaho. Big Creek and Woodruff Creek are expected to flow 10,000 acre feet (208%) and 28,000 acre feet (207%) respectively April through July. Big Creek is expected to have a mean daily peak between 72-102 c.f.s. or about twice the average and other streams in this area are expected to produce high peak flows. The heavy snow pack in this area presents a potential of much higher than average peak flows if combined with above average temperature and/or precipitation during the next six weeks.

Logan River is forecast to produce 164,000 acre feet (166%) April-July, Blacksmith Fork 72,000 acre feet (171%), and Little Bear 68,000 acre feet(162%).

WEBER-OGDEN RIVERS

The Water Supply Outlook for the Weber and Ogden Rivers is "excellent".

Snow cover on the Ogden River is 145% of the April 1 average for the 1953-67 period and 49% more than last year at this time. Snow water content measurements at Monte Cristo Ranger Station set a new record for April 1 at 40.4 inches of water equivalent in 100 inches of snow depth. Weber River snow cover is 120% of the April 1 average. Precipitation and increases to the snow pack were not as heavy on the Weber Basin as farther north.

WATER SUPPLY OUTLOOK (continued)

Reservoir storage is above average. Pineview now holds 38,500 acre feet (129%), Rockport 23,100 acre feet (95%), Echo 61,400 acre feet, Lost Creek 13,900 acre feet, and East Canyon 40,000 acre feet. Some reservoirs are releasing flow to make room for spring runoff.

Streamflow forecasts range from 211% (24,000 acre feet) on Lost Creek for the April-June period to 140% (130,000 acre feet) for the Weber at Oakley for the same period. Pineview Reservoir Inflow is forecast to be 155,000 acre feet (172%) and the South Fork of the Ogden is forecast to produce 75,000 acre feet (163%) during the April-June period. Rockport Inflow is expected to be 154,000 acre feet (140%) and Chalk Creek is forecast at 193% (50,000 acre feet). East Canyon is expected to produce 30,000 acre feet (174%) during the April-June period.

PROVO - UTAH LAKE - JORDAN RIVER

The 1971 Water Supply Outlook for Provo River, Utah Lake and Jordan River ranges from near average on the American Fork River to above average on the remainder of the tributary streams.

Snow cover on the Provo, American Fork, and Hobbie Creek lost water content during March as a result of warm temperatures and few storms. American Fork snow water content is now 71% of the April 1 average, Provo River is 102% and Hobbie Creek is 100% of average. Spanish Fork River is 115% and Strawberry Valley above the reservoir 101%. All of these basins except American Fork have more water content than last year at this time. Snow cover along the Wasatch front above SLC is about 120% of the April 1 average and Farmington Creek is 139% of the April 1 average for the 1953-67 period.

Deer Creek Reservoir has 99,500 acre feet in storage or 110% of the April 1 average, Utah Lake had 870,500 acre feet or 145% of average and about the same as last year at this time. The lake is 0.29 feet below Compromise.

Streamflow forecasts have dropped as a result of snow pack losses during March but still range from 104% of average (27,000 acre feet) on American Fork to 160% (14,500 acre feet) on Parley's Creek for the April-July period. Provo River at Hailstone is expected to produce 115,000 acre feet (132%), Hobbie Creek - 18,000 acre feet (138%), Spanish Fork - 39,000 acre feet (126%) and the inflow to Utah Lake - 260,000 acre feet (133%). Little Cottonwood Creek is forecast to produce 38,000 acre feet (115%), Big Cottonwood 41,000 acre feet (121%), and Farmington Creek 10,400 acre feet (153%) during the April through July period. The inflow to Strawberry Reservoir is forecast to be 53,000 acre feet during this same period.

WATER SUPPLY OUTLOOK (continued)

EASTERN UTAH

DUCHESNE RIVER - UINTAH BASIN

The Water Supply Outlook for the Duchesne River and Uintah Basin has decreased from last month, but still remains above average with good carry-over storage at Steinaker and Strawberry Reservoirs.

Duchesne River forecasts range from 103%, Duchesne at Duchesne to 113% Duchesne at Randlett of their April-July 1953-67 averages. Ashley Creek is forecast at 116% (51,000 acre feet) April-July.

Snow cover on the north slope of the High Uintahs remains above average at 123% with the south slopes ranging from average on the Uinta River and Lake Fork drainage to 111% on the Ashley and Duchesne River.

Inspite of below normal precipitation for March, the Oct-March total precipitation remains average for the Whiterocks, Uinta and Lake Fork Creeks with above average for all of the north slope of the High Uintahs and the Duchesne River.

Reservoir storage in Moon Lake has increased to 13,900 acre feet with an expected streamflow forecast of 68,000 acre feet. Starvation Reservoir is filling rapidly, impounding 122,400 acre feet of water compared to 39,700 acre feet April 1 of last year. The forecast for Strawberry at Duchesne has decreased to 112% of average April 1 (55,000 acre feet) but still should provide good storage for Starvation Reservoir. Last year's April 1 forecast was 48,000 acre feet.

PRICE, MUDDY, SAN RAFAEL and FREMONT RIVERS

The April-July water supply outlook for Price, Muddy, San Rafael and Fremont Rivers is average with good carry-over storage at Scofield and Joe's Valley Reservoirs.

Snow cover ranges from 82% on the Escalante River to 119% for the Fremont drainage. The San Rafael, Price, Muddy snow cover is 99%, 104% and 105% respectively. The Blue Mountains are slightly below normal with 92%.

Precipitation for March was generally quite low except for the upper Fremont which is 102% of average. Extremely low precipitation in southern Utah ranges from 16% on the Escalante River to 38% for the Blue Mountains near Monticello. Oct-March total precipitation remained below average except for the Fremont and San Rafael with 117% and 127% of their normals respectively. Scofield Reservoir contained 45,700 acre feet (198%) of its April 1 average storage capacity.

Cottonwood Creek near Orangeville, Ferron Creek near Ferron and Huntington Crk near Huntington, April-July streamflow forecasts are 43,000 a.f. (98%), 35,000 a.f. (106%), 40,000 a.f. (95%) respectively. The Price River ranges from 102% of average near Heiner to 109% for Scofield Reservoir inflow. The Muddy River remains good with 114% of average. Last year Huntington produced 58,000 a.f. Ferron Creek 40,000 a.f. and Scofield inflow was 30,000 acre feet April-July. Seven Mile Creek near Fish Lake on the head of the Fremont is expected to produce 7,000 a.f. April-July. This is slightly less than last year's 8,300 a.f. Those with Reservoir storage rights should have an adequate water supply this coming year.

WATER SUPPLY OUTLOOK (continued)

CENTRAL AND SOUTHERN UTAH

The Water Supply Outlook for Central and Southern Utah was dimmed by another dry month and now ranges from "below average" on the Virgin, Coal Creek, and upper Sevier to "above average" on Salina Creek and the Lower Sevier. The snow pack lost water due to melt south of Piute Reservoir but had above average gains in snow water content on Chalk Creek, Salina Creek and the upper Fremont River. Other areas gained less than average amounts of water content for March. Reservoir storage is about twice average for April 1 on the Lower Sevier.

SEVIER RIVER

The Water Supply Outlook is still "very good" for water users with reservoir storage, but has dropped to "below average" for water users depending on natural flow on the Upper Sevier above Huntington and East Fork of Sevier. Snow cover dropped to 85% of average on the Sevier above Panguitch and the East Fork. Both watersheds lost water from the snow pack due to warmer than average temperatures and very few storms at higher elevations. Snow cover on Salina and Chalk Creeks had above average increases during March and is now 133% and 124% of the April 1 average. San Pitch watersheds are still 100 to 111% of average although they had less than average gains for March.

Reservoir storage totals better than double average in the three main Sevier Reservoirs. Otter Creek now holds 50,400 acre feet, Piute 58,700 acre feet and Sevier Bridge 232,900 acre feet. Sevier Bridge was considered filled on March 31 this year and was filled March 16 last year. Gunnison Reservoir now holds 18,070 acre feet.

Streamflow forecasts now range from 67% (10,300 acre feet) for the Sevier at Kingston to 169% (10,000 acre feet) for Salina Creek. The Sevier at Hatch is expected to produce 28,000 acre feet (85%) during the April-July period and 20,000 acre feet at Circleville. The East Fork is forecast at 85% of the April-July average or 10,000 acre feet. Ground water flow from Vermillion to Gunnison is holding up very well. The inflow to Sevier Bridge Reservoir October 1 - March 31 was about 112,000 acre feet and the forecast for Sevier near Gunnison is 50,000 acre feet for the April-July period. San Pitch streams, Ephraim and Pleasant Creek are expected to produce 16,500 acre feet (119%) and 9,000 acre feet (115%) respectively.

BEAVER RIVER

The Water Supply Outlook for the Beaver River is "near average". Snow cover received less than an average increase during March and is now 105% of the April 1 average for the 1953-67 period. Minersville Reservoir is above average with 18,230 acre feet of stored water. The Beaver River is expected to produce 21,000 acre feet (111%) near Beaver during the April-July period and about 4,000 acre feet (85%) is expected to flow into Minersville Reservoir during the April-June period. Last year Beaver River produced 23,000 acre feet and the inflow to Minersville was 1,900 acre feet.

WATER SUPPLY OUTLOOK (continued)

COAL CREEK, PARAWAN CREEK, VIRGIN & SANTA CLARA RIVERS

The Water Supply Outlook for Coal Creek, Parawan Creek, Virgin and Santa Clara Rivers is "below average". Snow cover melted faster than normal during March and is now 89% of average on Parawan and Coal Creeks, 83% on the Virgin and snow courses on the ridge between the Santa Clara and Enterprise are bare. Coal Creek is forecast to produce 10,300 acre feet (75%) April-July, the Virgin 34,000 acre feet (89%) April-June and the Santa Clara is expected to produce 2,000 acre feet (61%) near Pine Valley during the April-June period.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
	<u>GREAT BASIN</u>				
<u>Bear River</u>	Bear Lake	1421.0	1091.0	1139.8	895.2
	Woodruff Narrows	26.5	26.5	23.5	- -
<u>Beaver River</u>	Minersville(Rky Fd)	23.3	18.2	22.2	11.9
<u>Little Bear</u>	Hyrum	15.3	11.6	13.0	13.1
	Porcupine	11.3	8.7	5.4	- -
<u>Ogden</u>	Causey	7.1	1.6	1.2	- -
	Pineview	110.1	38.5	60.7	29.9
<u>Provo</u>	Deer Creek	149.7	99.5	89.3	90.1
<u>Sevier River</u>	Gunnison	18.2	18.1	18.2	- -
	Otter Creek	52.5	50.4	53.9	27.9
	Piute	71.8	58.7	71.8	38.8
	Sevier Bridge	236.0	232.9	232.9	95.8
<u>Spanish Fork</u>	Strawberry	270.0	193.7	195.9	123.1
<u>Utah Lake</u>	Utah Lake	883.9	870.5	870.6	600.3
<u>Weber</u>	East Canyon	48.1	40.0	37.8	13.7
	Echo	73.9	61.4	60.7	41.3
	Lost Creek	20.0	13.9	13.9	- -
	Rockport	60.9	23.1	21.6	24.2
	Willard Bay	193.3	182.2	141.3	- -
	<u>COLORADO RIVER DRAINAGE</u>				
<u>Ashley Creek</u>	Steinaker	33.3	25.2	25.0	- -
<u>Colorado</u>	Blue Mesa	829.5	305.7	410.8	- -
	Lake Powell	25002.0	12,434.0	9535.0	5156.0
<u>Green</u>	Flaming Gorge	3749.0	1,874.0	1484.0	1231.0
<u>Lake Fork</u>	Moon Lake	35.8	13.9	15.1	17.1
<u>Price River</u>	Scofield	65.8	45.7	52.4	23.1
<u>San Rafael</u>	Joe's Valley	54.6	40.9	44.7	- -
<u>San Juan</u>	Navajo	1696.4	831.8	859.2	- -
<u>Strawberry</u>	Starvation	165.3	122.4	39.7	- -

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
BEAR RIVER SYSTEM					
Bear at Harer, Idaho	450	199	Apr-Sept		226
Bear nr Randolph	160	219	Apr-July		73
Bear nr Ut-Wyo State Line	146	138	Apr-July		106
Bear nr Woodruff	190	183	Apr-July		104
Big Crk nr Randolph, Utah	10.0	208	Apr-July		4.8
Blacksmith Fork nr Hyrum	72	171	Apr-July		42
Little Bear nr Paradise	68	162	Apr-June		42
Logan nr Logan (1)	164	166	Apr-July		99
Smith's Fork nr Border, Wyoming	190	176	Apr-Sept		108
Woodruff Crk nr Woodruff, Utah	28	207	Apr-July		13.5
WEBER-OGDEN RIVERS					
Chalk Crk at Coalville	50	193	Apr-June		26
East Canyon Crk nr Morgan (2)	30	174	Apr-June	28	17.2
Hardscrabble Crk nr Porterville	20	148	Apr-June	34	13.5
Lost Crk nr Croydon, Utah	24	211	Apr-June		11.6
Pineview Reservoir Inflow (3)	155	172	Apr-June	105	90
South Fork Ogden nr Huntsville	75	163	Apr-June		46
Rockport Reservoir Inflow (4)	154	140	Apr-June	115	110
Weber nr Coalville (5)	140	140	Apr-June		100
Weber nr Oakley	130	140	Apr-June	111	93
PROVO RIVER & UTAH LAKE					
American Fork nr American Fork	27	104	Apr-July	26	26
Hobble Crk nr Springville	18.0	138	Apr-July	14.3	13.0
Provo nr Hailstone (6)	115	132	Apr-July		87
Provo below Deer Crk Dam (7)	130	135	Apr-July		96
Spanish Fork at Thistle	39	126	Apr-July	37	31
Strawberry Reservoir Inflow (8)	53	129	Apr-July	40	41
Utah Lake Inflow	260	133	Apr-July		195
JORDAN RIVER & SALT LAKE					
Big Cottonwood nr SLC	41	121	Apr-July	38	34
Farmington Crk nr Farmington	10.4	153	Apr-July		6.8
Little Cottonwood Crk nr SLC	38	115	Apr-July	37	33
Parley's Crk nr SLC	14.5	160	Apr-July	13.2	9.4
FOOTNOTES - See last page					

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>SEVIER RIVER</u>					
Chalk Creek nr Fillmore	16.0	121	Apr-July		13.2
Clear Crk nr Sevier (Above Div.)	13.5	108	Apr-July	19.7	12.5b
East Fork Sevier nr Kingston (9)	10.0	85	Apr-July		11.7
Antimony Crk nr Antimony	6.5	83	Apr-July	7.9	7.8b
Inflow					
Kingston to Vermillion Dam	28	93	Apr-June		30 b
Vermillion Dam to Gunnison	51	113	Mar-June		45 b
Salina Crk at Salina (10)	10.0	169	Apr-June	9.8	5.9*
Sevier nr Circleville	20	74	Apr-July	17.2	27
Sevier nr Gunnison	50	161	Apr-July	68	31 b
Sevier at Hatch	28	85	Apr-July	23	33
Sevier nr Kingston	10.3	67	Apr-July	7.2	15.4
Sevier below Piute Dam (11)	19.5	67	Apr-July		29
<u>SAN PITCH RIVER</u>					
Ephraim Creek nr Ephraim	16.5	119	Apr-July		13.9b
Pleasant Crk nr Mt. Pleasant	9.0	115	Apr-July	6.6	7.8b
<u>BEAVER RIVER</u>					
Beaver nr Beaver	21	111	Apr-July	23	18.9
Rockyford Reservoir Inflow (12)	40	85	Apr-June	1.9	4.7
<u>COAL CREEK</u>					
Coal Crk nr Cedar City	10.3	75	Apr-July	10.5	13.8
<u>COLORADO RIVER BASIN</u>					
Green River Tributaries in Utah					
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Ashley Creek nr Vernal	51	116	Apr-July		44
Henry's Fork at Linwood	45	118	Apr-Sept		38
<u>FREMONT RIVER BASIN</u>					
Seven Mile Crk nr Fish Lake	7.0	113	Apr-July	8.3	6.2b
FOOTNOTES - See last page					

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>DUCHESNE RIVER</u>					
Duchesne nr Tabiona (13)	98	104	Apr-July		94
Duchesne at Duchesne (13)	172	103	Apr-July		167
Duchesne at Myton (16)	255	105	Apr-July		243
Duchesne at Randlett (16)	295	113	Apr-July		262
Strawberry at Duchesne	55	112	Apr-July	48	49
Rock Crk nr Mtn. Home	90	102	Apr-July	42	88
Lakefork below Moon Lake	68	102	Apr-July	51	66
Yellowstone nr Altonah	63	107	Apr-July	49	59
Uinta nr Neola	85	108	Apr-July	73	79
Whiterocks nr Whiterock	55	108	Apr-July	54	51
<u>PRICE RIVER</u>					
Gooseberry Creek nr Scofield	10.3	103	Apr-July	11.1	10.0
Price nr Heiner (15)	55	102	Apr-July		54
Scofield Reservoir Inflow (15)	35	109	Apr-July	30	32
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	43	98	Apr-July		44
Ferron Crk nr Ferron	35	106	Apr-July	40	33
Huntington Crk nr Huntington	40	95	Apr-July	58	42
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	18.5	114	Apr-July	23	16.2b
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	34	89	Apr-June	21	38
Santa Clara nr Pine Valley	2.0	61	Apr-June		3.3b
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah (15)	2680	96	Apr-July	4066	2802
Flaming Gorge Inflow (3)	1748	166	Apr-July	985	1054
Lake Powell Inflow (3)	7275	111	Apr-July	8220	6527
Green at Green River, Utah (15)	3654	142	Apr-July	2970	2574
San Juan nr Bluff, Utah (15)	545	61	Apr-July	698	890
Navajo Reservoir Inflow	370	60	Apr-July	446	619
FOOTNOTES - See last page					

PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
<u>NORTHERN UTAH</u>		
Big Creek near Randolph	72 - 102	43
Big Cottonwood Creek near SLC	390 - 560	310
Hobble Creek near Springville	100 - 270	180
Spanish Fork near Thistle	170 - 660	307
SO. Fork Ogden River nr Huntsville	850 - 1100	643
Woodruff Creek near Woodruff	276 - 452	220
<u>EASTERN UTAH</u>		
Ferron Creek near Ferron	390 - 700	414
Muddy Creek near Emery	150 - 280	142
Strawberry River at Duchesne	450 - 1050	558
<u>SOUTHERN and CENTRAL UTAH</u>		
Beaver River near Beaver	100 - 370	215
Clear Creek near Sevier	135 - 165	156b
Coal Creek near Cedar City	125 - 285	217
Salina Creek near Salina	220 - 270	133*
Sevier River at Hatch	160 - 390	370
Sevier River at Circleville	100 - 300	292
Sevier River at Kingston	50 - 150	223
Virgin River at Virgin	250 - 500	557
*Highly abnormal weather during the critical melting period may cause the peak to be outside the indicated range.		

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Creek nr Sevier (above div.)	5	July 10	July 19
Salina Creek at Salina	25	June 12	June 10
Sevier at Circleville(Circle Valley)	90	June 5	June 24
Sevier at Hatch (upper)	100	June 12	June 10

WSFB-X10-L

PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period†	Forecast Period
<u>Sevier River</u>			
Below Vermillion Dam	58	58	Apr-Sept
Circle Valley	60	66	Apr-Sept
Panguitch Valley	80	84	Apr-Sept
Sevier Valley	35	40	Apr-Sept

OTHER SPECIAL FORECASTS

Below Vermillion - Flow above 360 second feet should total about
2,000 - 2,500 acre feet.

Inflow to Sevier Bridge Reservoir from October 1 through March 31
was about 112,000 acre feet.

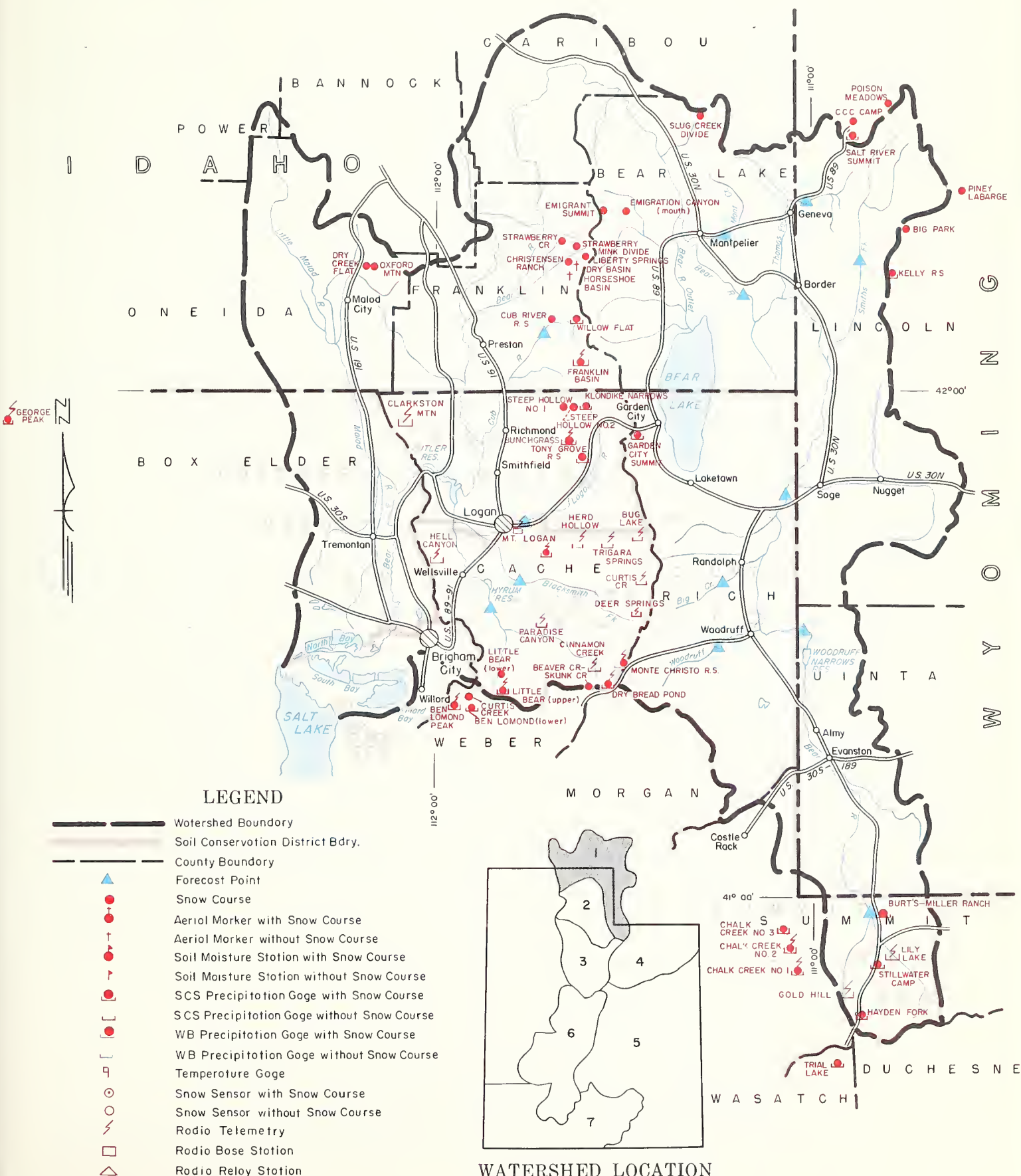
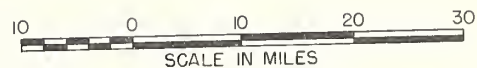
SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF:	
		Last Year	Average
<u>BEAR RIVER</u>			
Bear River So. of Evanston, Wyo.	5	126	122
Blacksmith Fork - Little Bear River	5	158	151
Cub River (Idaho)	3	154	153
Emigration Creek (Idaho)	2	151	170
Logan River	6	151	154
Malad River	2	256	192
Smith's Fork of Bear River (Wyo.)	4	166	167
Strawberry-Mink Creeks	3	161	156
<u>WEBER-OGDEN RIVERS</u>			
Chalk Creek above Coalville	3	130	130
East Canyon Creek	2	116	120
Farmington Creek	2	129	139
Ogden River	5	149	145
Weber River above Coalville	8	120	120
<u>UTAH LAKE, JORDAN RIVER & TOOELE VALLEY</u>			
American Fork River	3	85	71
Hobble Creek	2	109	100
Mt. Nebo Area	2	106	119
Provo River above Deer Creek Dam	6	116	102
Salt Lake Area	3	112	120
Spanish Fork River	5	107	115
Strawberry Reservoir Valley	3	114	101
Tooele Area	3	130	133
<u>SEVIER RIVER</u>			
Beaver River	3	94	105
Chalk Creek near Fillmore	2	101	124
Chicken Creek near Levan	1	113	132
Clear Creek above Sevier	1	104	119
East Fork Sevier River	6	81	85
Ephraim Creek	2	101	107
Manti Creek	2	102	111
Mt. Pleasant Area	3	99	100
Salina Creek	2	105	133
Sevier River above Panguitch	5	147	85
Twelve Mile Creek near Mayfield	2	96	107

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF:	
		Last Year	Average
<u>UINTAH BASIN & NORTH SLOPE UINTAH MOUNTAINS</u>			
Ashley-Brush Creeks	4	114	111
Black's Fork & Smith's Fork Rivers	4	114	123
Duchesne River above Tabiona	3	121	111
Henry's Fork River & Sheep Creek	4	112	123
Lakefork River	2	126	100
Strawberry River	5	121	105
Uintah-Whiterocks Rivers	4	115	101
<u>CARBON, EMERY, WAYNE, GRAND & SAN JUAN COUNTIES</u>			
Blue Mountains near Monticello	2	110	92
Fremont River	5	91	119
LaSal Mountains near Moab	2	85	105
Muddy River	2	84	105
Price River	7	104	104
San Rafael River	9	94	99
<u>EAST GARFIELD, KANE, WASHINGTON & IRON COUNTIES</u>			
Coal Creek near Cedar City	3	101	89
Escalante River	3	81	82
New Harmony to Newcastle	2	0	0
Paria River	1	0	0
Parowan Creek	3	99	89
Virgin River	4	125	83

BEAR RIVER BASIN



INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER BEAR RIVER (above Harer, Idaho)						
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7P	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12P	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10J17P	U	Stillwater Camp	32	2N	10E	8,550

LOWER BEAR RIVER (below Harer, Idaho)

11H14M	U	Beaver Creek-Skunk Creek x	22	8N	3E	7,150
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mtn.	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H33P	U	Curtis Creek	12	10N	4E	8,450
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
11H13MP	U	Dry Bread Pond x	19	8N	4E	8,230
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MP	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,420
11H26	U	Little Bear (lower)	15	8N	1E	6,000
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100

LEGEND

Numbering system (example)

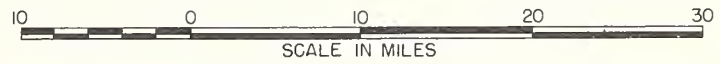
10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>BEAR RIVER</u>							
Burt's - Miller Ranch	7900	3/25	- -	- -	11.85	- -	- -
Chalk Creek #1 x	9100	4/1	4.18	- -	- -	- -	- -
Chalk Creek #2 x	8000	4/1	3.10	3.14b	- -	14.96*	- -
Chalk Creek #3 x	7500	3/26	2.49	2.54b	17.08	12.73b	134
Dry Bread Pond	8230	3/29	4.78	3.68	34.33	19.90*	172
Garden City Summit	7600	3/24	3.98	3.16b	27.67	17.90*	155
Hayden Fork	9300	3/25	- -	- -	26.45	- -	- -
Klondike Narrows	7400	4/1	6.52	3.88b	- -	23.27*	- -
Little Bear (upper)	6850	4/1	4.97	3.10b	- -	18.46*	- -
Monte Cristo #2	8960	3/29	9.18	4.97b	42.71	24.65b	173
Sagebrush Flat x	6300	3/29	2.25	2.60b	19.10	13.36b	143
Salt River Summit	7900	3/30	3.10	2.71b	28.85	15.69*	184
Stillwater Camp	8550	3/25	- -	- -	16.14	12.58*	128
Tony Grove R.S. (SCS)	6250	4/1	4.45	2.65b	- -	18.75b	- -
Trial Lake x	9800	3/31	3.46	3.82b	31.87	21.18*	150
Willow Flat	6100	3/31	8.00	3.63*	35.32	21.15*	167
Franklin Basin	8000	Not measured		- -		- -	

FOOTNOTES - See last page

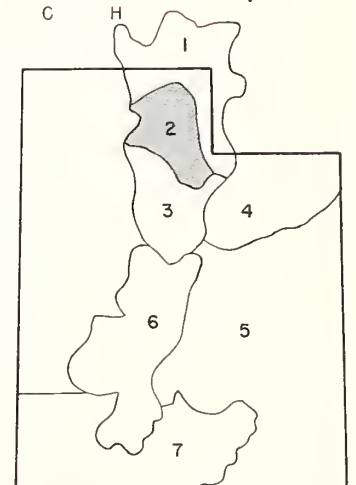
FOOTNOTES - See last page

WEBER - OGDEN WATERSHEDS



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station



WATERSHED LOCATION

INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
OGDEN RIVER						
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8P *	U	Ben Lomond Peak	3	7N	1W	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H29	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H12P	U	Monte Cristo R.S. x	4	8N	4E	8,960
11H15P	U	Sagebrush Flat	21	7N	3E	6,300

WEBER RIVER						
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1P	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower) x	14	3N	1E	6,950
11J11PTS*	U	Farmington Canyon (upper) x	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21PT	U	Horse Ridge	1	6N	4E	8,260
11H31P	U	Kilfore Creek	20	6N	5E	7,300
11J14	U	Lamb's Canyon x	19	1S	3E	6,600
11H32P	U	Lost Creek	27	6N	5E	6,125
11J15PTS*	U	Parley's Canyon Summit	5	1S	3E	7,500
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J16P	U	Silver Lake (Brighton) x	35	2S	3E	8,725
11J4P	U	Smith & Morehouse	25	1N	7E	7,600
10J8P	U	Trial Lake x	5	2S	9E	9,800

LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

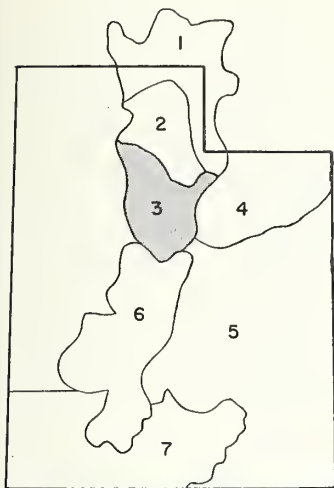
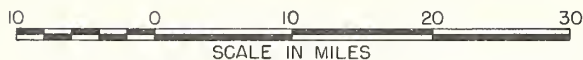
SNOW

FOOTNOTES - See last page

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>OGDEN RIVER</u>							
Ben Lomond (lower)	5850	3/25	3.82	3.62b	32.77	23.47*	140
Ben Lomond Trail	6000	3/25	3.96	3.17b	35.71	24.65*	145
Causey Dam	5500	3/29	1.68	2.17b	15.29	15.63*	98
Dry Bread Pond	8230	3/29	4.78	3.68b	34.33	19.90*	172
Monte Cristo #2 x	8960	3/29	9.18	4.97	42.71	24.65	173
Sagebrush Flat	6300	3/29	2.25	2.60b	19.10	13.36	143
<u>WEBER RIVER</u>							
Chalk Creek #1	9100	4/1	4.18	- -	- -	- -	- -
Chalk Creek #2	8000	4/1	3.10	3.14b	- -	14.96*	- -
Chalk Creek #3	7500	3/26	2.49	2.54b	17.08	12.73b	134
Farmington Guard Station	7500	3/29	6.94	5.03	39.34	26.76	147
Farmington Rice	7000	3/29	5.02	4.65	32.13	24.38	132
Lost Creek Reservoir	6125	3/25	1.37	- -	- -	- -	- -
Mt. Dell Dam	5500	3/31	1.84	2.32	16.51	11.84	139
Parley's Canyon Smt.	7500	3/30	5.28	3.75*	27.56	19.33	142
Reddon Mine (upper)	9000	3/30	3.92	- -	27.25	- -	- -
Silver Lake (Brighton)	8725	3/31	5.27	5.04	31.79	24.15	132
Smith & Morehouse	7600	3/29	2.75	3.47b	21.26	16.45*	129
Trial Lake x	9800	3/31	3.46	3.82b	31.87	21.18	150
Sargeant Lakes	8400	4/1	2.45	- -	- -	- -	- -
Horse Ridge	8260	4/1	4.32	- -	40.96	- -	- -
FOOTNOTES - See last page							

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS



WATERSHED LOCATION

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station



INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PROVO RIVER & UTAH LAKE						
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22P	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J7P	U	East Portal	36	7S	6E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,100
11J31	U	Packard Canyon	21	7S	5E	6,400
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J8	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J18P	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8P	U	Trial Lake	5	2S	9E	9,800

JORDAN RIVER & GREAT SALT LAKE

12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5p	U	Deseret Peak	15	4S	7W	9,250
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11	U	Farmington Canyon (upper)	26	3N	1E	8,000
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J10	U	Mill D South Fork	18	2S	3E	7,400
11J15P	U	Parley's Canyon Summit x	5	1S	3E	7,500
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
12K2P	U	Vernon Creek	21	10S	5W	7,500

LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

SNOW

FOOTNOTES - See last page

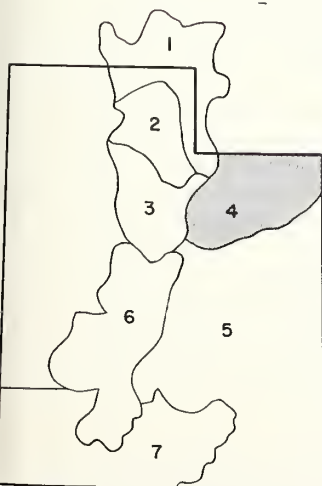
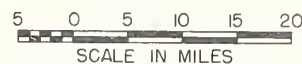
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UTAH LAKE</u>							
Clear Creek Ridge #2	8000	3/29	2.98	2.73b	19.37	14.32*	135
Daniels-Strawberry Smt.	8000	3/29	2.48	3.26b	20.44	17.11b	119
Dutchman R.S.	7500	3/31	1.85	3.32b	22.86	19.26b	119
East Portal Ridge	7800	3/30	1.90	3.12	18.04	16.90*	107
Hobble Creek Smt.	7300	3/30	2.45	- -	20.11	- -	- -
Payson R. S.	8050	3/26	3.00	3.12b	18.92	16.97	111
Soapstone R.S.	7800	3/31	1.89	2.54b	19.78	14.67*	135
Timpanogos Divide	8200	3/31	1.80	3.89	25.55	23.78	107
Trial Lake	9800	3/31	3.46	3.82b	31.87	21.18	150
<u>JORDAN RIVER & TOOELE VALLEY</u>							
Middle Canyon	7000	3/31	1.64	3.56b	18.92	16.43	115
Mt. Dell Dam	5500	3/31	1.84	2.32	16.51	11.84	139
Parleys Canyon Smt.	7500	3/30	5.28	3.75*	27.56	19.33	142
Silver Lake (Brighton)	8725	3/31	5.27	5.04	31.79	24.15	132
Rocky Basin-Settlement Cy	8900	3/30	- -	- -	35.59	- -	- -
Vernon Creek	7500	3/31	1.44	- -	14.66	- -	- -
FOOTNOTES: See last page							

FOOTNOTES: See last page

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station

UINTAH BASIN & DAGGETT S. C. D's.



WATERSHED LOCATION

INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER GREEN RIVER IN UTAH (above Duchesne River)						
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1P	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,550
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20p	U	Steel Creek Park	17	2N	13E	9,900
10J31P	U	Tokewanna Peak	23	1N	11E	9,800
9J12ap	U	Windy Park	1	1S	20E	9,400

DUCHESNE RIVER

10J27ap	U	Atwood Basin	21	1S	15E	10,250
10J9P	U	Brown Duck Lake	2	2N	6W	10,300
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J9ap	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit x	20	2S	12W	8,000
11J7P	U	East Portal x	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
9J13P	U	Grizzley Ridge	8	1S	22E	8,500
10K1P	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	23	3N	4W	11,300
9J6P	U	Julius Park	20	3N	1E	9,800
10J38P	U	Lake Basin	23	3S	8W	10,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10P	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
10J29p	U	Lightning Lake	24	4N	8W	10,950
9J5	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadow Lake	28	3N	8W	10,150
10J25P	U	Soapstone R.S. x	9	3S	8E	7,800
11J8	U	Strawberry Divide x	34 & 35	7S	6E	8,000
10J8P	U	Trial Lake x	5	2S	9E	9,800
11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250
10K2MP	U	White River #1 x	11	10S	8E	8,550

LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

UINTAH BASIN & DAGGETT SCD's

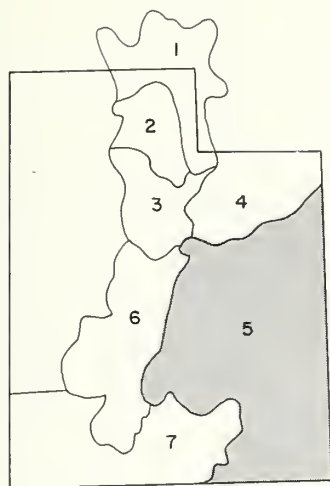
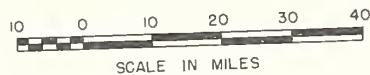
SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
					Last Year	Average †
<u>UINTAH BASIN SCD</u>						
Brown Duck Lake	10300	Discontinued			12.8	16.2b
Currant Creek	7800	3/29	27	9.9	6.6	8.0b
Daniels-Strawberry Smt. x	8000	3/29	36	12.9	10.8	14.0
East Portal x	7560	3/30	23	9.7	9.2	10.6
Indian Canyon	9100	3/24	37	10.8	9.4	11.5
Jackson Park	11300	3/26	42	11.6	10.5	12.1b
Julius Park	9800	3/24	42	12.9	11.0	12.0b
King's Cabin (lower)	8600	3/22	33	9.6	8.4	8.1
King's Cabin (upper)	8730	3/22	43	12.2	11.1	9.6
Lakefork Mountain	10200	3/25	38	11.2	9.5	11.1
Lakefork Mountain #2	8900	3/25	24	7.2	5.1	7.2
Lakefork Mountain #3	8100	3/25	21	5.8	3.9	5.6
Mosby Mountain	9500	3/24	33	8.9	7.8	9.7
Paradise Park	10100	3/24	38	12.4	10.4	11.4
Rock Creek	7900	3/30	12	4.4	4.7	5.9b
Soapstone R.S. x	7800	3/31	35	12.2	12.4	11.9
Strawberry Divide	8000	3/30	52	21.0	18.1	18.4
Trial Lake	9800	3/31	83	31.2	23.3	25.0
White River #1	8550	3/26	44	15.4	12.8	12.0*
Brown Duck Ridge	10800	3/30	64	20.8	18.5	- -
<u>DAGGETT SCD</u>						
Black's Fork Jct.	8925	3/24	42	11.5	9.9	9.3b
East Fk. Black's Fk. G.S.	9300	3/24	40	10.7	10.6	9.4b
Hewinta Guard Station	9500	3/24	41	11.4	10.2	9.8*
Hickerson Park	9100	3/22	25	7.2	8.1	6.0*
Hole-in-the-Rock	9150	3/26	28	7.5	6.8	5.9
Hole-in-the-Rock G.S.	8300	3/26	11	2.9	5.0	1.6b
Middle Beaver Creek	8550	3/26	22	6.9	3.5	5.3b
Spirit Lake	10300	3/22	46	14.4	13.8	12.0b
Steel Creek Park	9900	3/24	68	20.2	16.5	15.3b
<u>UINTAH BASIN - Aerial Markers</u>						
Ashley Twin Lakes A	10500	3/29	50	16.5	16.1	- -
Atwood Basin A	10250	3/29	30	8.4	10.0	- -
Buck Pasture A	9700	3/29	63	18.9	15.7	- -
Chepeta-Whiterocks Lakes A	10300	3/29	47	15.5	15.1	- -
Five Point Lake A	11000	3/29	60	17.4	16.0	- -
Henry's Fork A	10000	3/29	46	15.2	14.8	- -
Lakefork Basin A	11100	3/29	74	21.5	16.2	- -
Reynolds Park A	10400	3/29	49	16.2	16.2	- -
Windy Park A	9400	3/29	45	12.6	14.2	- -
FOOTNOTES - See last page						

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UINTAH BASIN SCD</u>							
Brown Duck Ridge	10800	3/31	- -	- -	18.00	- -	- -
Currant Creek	7800	3/29	- -	- -	16.48	12.35b	133
Daniels-Strawberry Smt.x	8000	3/29	2.48	3.26b	20.44	17.11b	119
East Portal Ridge x	7800	3/30	1.90	3.12	18.04	16.90*	107
Grizzly Ridge	8500	3/22	0.68	- -	12.86	- -	- -
Indian Canyon	9100	3/24	0.63	2.32b	11.92	13.06b	91
Jackson Park	10650	3/26	- -	- -	11.63	- -	- -
Julius Park	9800	3/24	0.32	1.86b	10.39	11.24*	92
King's Cabin (upper)	8730	3/22	0.56	2.07b	11.25	10.04*	112
Lakefork Mountain	10500	3/25	0.61	1.91b	11.54	11.06b	104
Moon Lake	8150	3/31	0.15	1.13	7.10	7.54	94
Mosby Mountain	9500	3/24	0.39	- -	9.24	- -	- -
Paradise Park	10100	3/24	0.42	2.24b	11.66	12.54b	93
Rock Creek	7900	3/30	- -	- -	11.88	10.42b	92
Soapstone R.S. x	7800	3/31	1.89	2.54b	19.78	14.67*	135
Trial Lake x	9800	3/31	3.46	3.82b	31.87	21.18b	150
White River #1 x	8600	3/26	1.10	2.52b	13.50	12.98*	104
<u>DAGGETT SCD</u>							
Black's Fork Jct.	8925	3/24	1.99	2.33b	14.51	10.33b	140
Burnt Creek	7900	3/23	0.49	- -	9.30	- -	- -
E. Fk. Black's Fk. G.S.	9300	3/24	2.11	2.40b	15.19	11.06b	137
Hewinta Guard Station	9500	3/24	2.35	2.59b	15.97	11.77b	136
Hickerson Park	9100	3/22	1.20	- -	9.59	- -	- -
Spirit Lake	10300	3/22	1.48	2.65	14.28	13.98*	102
Steel Creek Park	9900	4/1	3.45	- -	- -	- -	- -
FOOTNOTES - See last page							

FOOTNOTES - See last page

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES

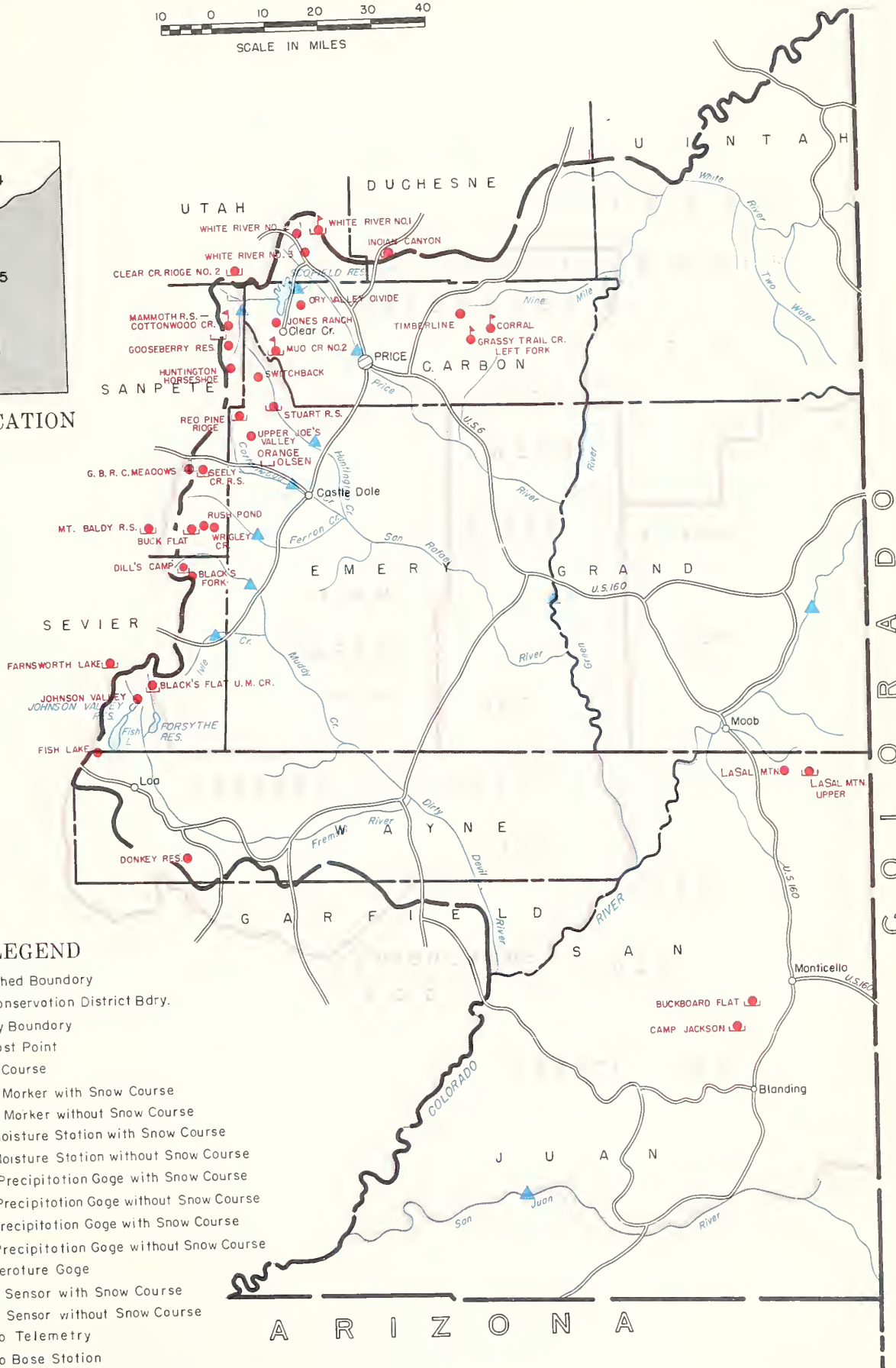


WATERSHED LOCATION



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- +● Aerial Marker with Snow Course
- +○ Aerial Marker without Snow Course
- +● Soil Moisture Station with Snow Course
- +○ Soil Moisture Station without Snow Course
- +● SCS Precipitation Gage with Snow Course
- +○ SCS Precipitation Gage without Snow Course
- +● WB Precipitation Gage with Snow Course
- +○ WB Precipitation Gage without Snow Course
- +○ Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- ⚡ Radio Telemetry
- Radio Base Station
- ▲ Radio Relay Station



INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PRICE RIVER						
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
10K1P	U	Indian Canyon x	2	11S	10E	9,100
11K7	U	Jones Ranch	32	12S	7E	7,600
11K3MP	U	Mammoth R.S. - Cottonwood Creek x	13	13S	5E	8,800
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MP	-U	White River #1	11	10S	8E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
SAN RAFAEL RIVER						
11K31P	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir x	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe x	12	14S	5E	9,800
11K28P	U	Red Pine Ridge	5	16S	6E	9,400
11K38	U	Rush Pond	24	19S	4E	9,800
11K9	U	Seeley Creek R.S.	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K26	U	Switchback	14	14S	6E	8,600
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
MUDDY RIVER						
11K14	U	Black's Fork	34	20S	4E	9,200
11K15P	U	Dill's Camp	27	20S	4E	9,200
FREMONT RIVER						
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
SOUTHEASTERN UTAH DRAINAGES						
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400

LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

CARBON, EMERY, WAYNE, GRAND & SAN JUAN

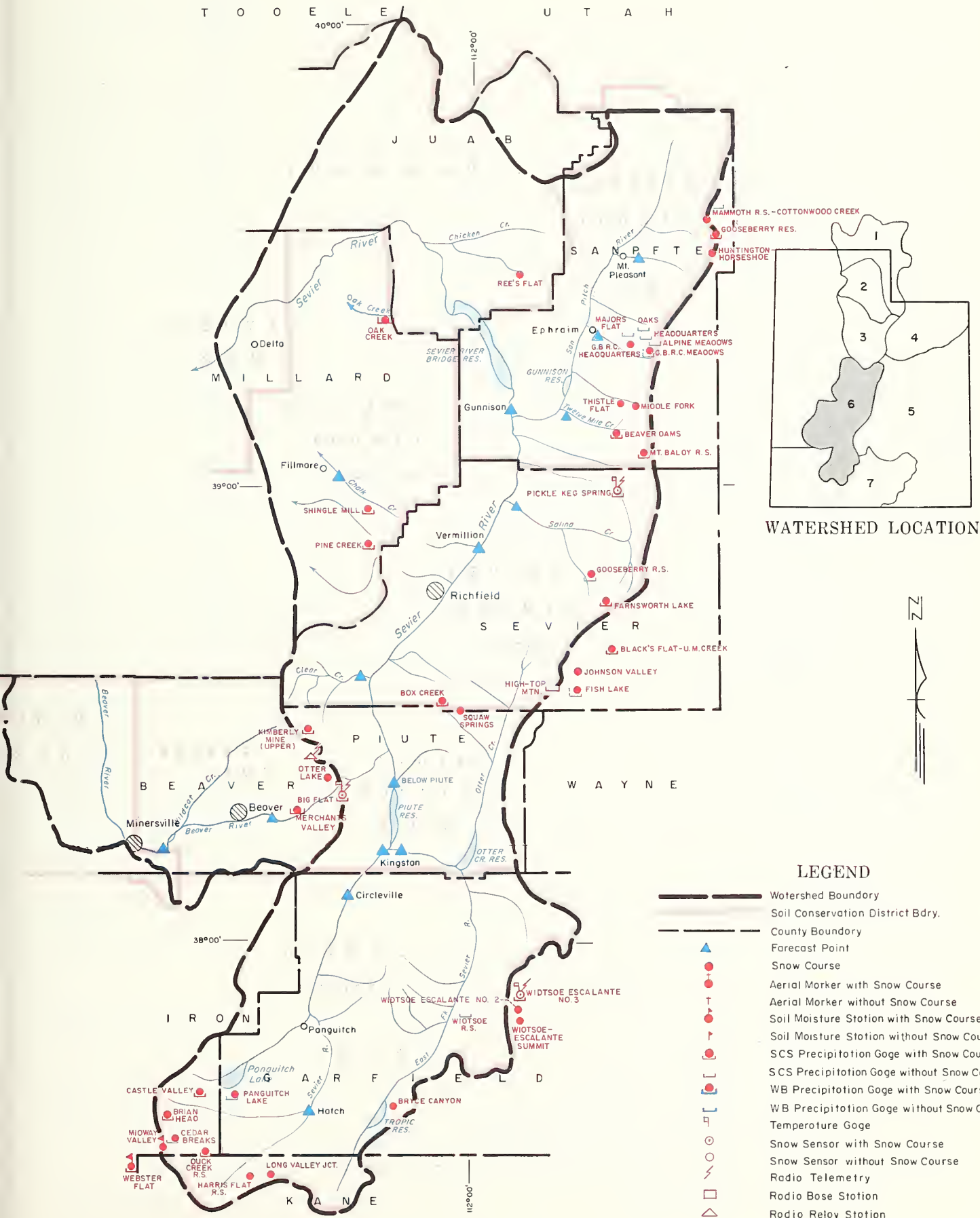
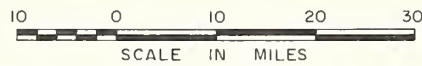
SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>PRICE RIVER</u>						
Corral	8200	4/5	10	3.5	6.0	7.2b
Dry Valley Divide	7800	3/29	30	10.5	9.1	9.4
Gooseberry Reservoir	8700	3/26	50	19.4	18.8	18.1
Grassy Trail Crk-Left Fk.	7970	4/5	14	4.9	6.8	19.0
Huntington-Horseshoe	9800	3/26	59	21.0	23.1	23.4
Indian Canyon x	9100	3/24	37	10.8	9.4	11.5
Jones Ranch	7600	3/29	7	3.0	5.6	4.9b
Mammoth R.S.-Ctnwd. Crk.	8800	3/26	57	20.4	19.6	19.0
Mud Creek #2	8300	3/29	34	12.8	13.4	12.3
Timberline	9100	4/5	39	12.1	10.1	13.6b
White River #1	8550	3/26	44	15.4	12.8	12.0
White River #2	7600	3/26	32	10.4	8.4	7.3b
White River #3	7400	3/26	24	8.0	8.4	6.6b
<u>SAN RAFAEL RIVER</u>						
Buck Flat	9400	3/29	51	17.4	18.3	15.9b
Gooseberry Reservoir x	8700	3/26	50	19.4	18.8	18.1
Huntington-Horseshoe	9800	3/26	59	21.0	23.1	23.4
Mammoth R.S.-Ctnwd.Crk x	8800	3/26	57	20.4	19.6	19.0
Red Pine Ridge	9400	3/27	50	17.5	- -	16.9b
Rush Pond	9800	3/29	46	14.8	13.3	13.8b
Seely Creek R.S.	10000	4/2	38	14.4	17.6	15.0
Stuart R.S.	7950	3/30	13	4.6	7.9	7.3b
Switchback	8600	3/30	40	13.6	15.3	15.3b
Upper Joe's Valley	8900	3/27	27	8.7	10.8	9.5b
Wrigley Creek	9000	3/29	34	9.8	10.8	10.6b
<u>MUDDY & FREMONT RIVERS</u>						
Black's Flat-U.M. Creek	9250	3/22	43	13.2	12.8	9.3b
Black's Fork	9200	4/1	38	12.8	16.2	12.9
Dill's Camp	9200	4/1	38	12.7	14.2	11.3*
Donkey Reservoir	9800	3/23	25	7.0	7.9	6.8b
Farnsworth Lake x	9900	3/30	65	23.4	22.7	17.4
Fish Lake	8700	3/22	15	5.4	7.2	5.7
Johnson Valley	8850	3/22	14	4.6	8.4	6.0b
Mt. Baldy R.S. x	9500	3/25	71	24.1	24.8	21.8
<u>SOUTHEASTERN UTAH DRAINAGES</u>						
Buckboard Flat	9000	3/23	30	11.4	9.8	11.4
Camp Jackson	8600	3/24	26	8.8	8.5	10.5b
LaSal Mountain	8800	3/25	26	10.4	11.6	8.7
LaSal Mountain (upper)	9400	3/25	45	15.1	18.3	15.5b

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
<u>PRICE RIVER</u>							
Clear Creek Ridge #2	8000	3/29	2.98	2.73b	19.37	14.32*	135
Gooseberry Reservoir	8700	3/26	1.92	3.44b	19.06	17.27b	110
Indian Canyon	9100	3/24	0.63	2.32b	11.92	13.06b	91
Mammoth R.S. #2	8600	3/26	2.05	3.83b	20.24	18.23b	111
Mud Creek	8300	3/29	1.75	2.99*	13.50	14.30*	94
White River #1	8600	3/26	1.10	2.52b	13.50	12.98*	104
<u>SAN RAFAEL RIVER</u>							
Buck Flat	9400	3/29	1.80	3.69*	20.60	16.15*	128
G.B.R.C. Meadows x	10000	3/31	4.25	4.62	26.77	21.03	127
Gooseberry Reservoir x	8700	3/26	1.92	3.44b	19.06	17.27b	110
Orange Olsen	7300	3/26	0.90	- -	8.40	- -	- -
Red Pine Ridge	9400	3/27	3.30	3.83b	23.75	18.98*	125
Stuart R.S.	7950	3/30	- -	- -	11.90	11.21*	106
<u>FREMONT & MUDDY RIVERS</u>							
Dill's Camp	9200	4/1	2.85	- -	- -	- -	- -
Black's Flat-U.M. Crk.	9250	3/22	2.55	2.87b	13.46	11.80*	114
Farnsworth Lake x	9900	3/31	4.92	4.63b	24.23	18.15b	133
Fish Lake	8700	3/22	1.76	1.73b	9.47	8.11b	117
Widtsoe-Escalante #3	9500	3/29	0.40	2.49b	10.13	12.44b	81
<u>SOUTHEASTERN UTAH DRAINAGES</u>							
Buckboard Flat	9000	3/23	1.10	2.88b	11.83	16.92b	70
Camp Jackson	8600	3/24	0.60	2.65*	11.20	14.31*	78
LaSal Mountain (upper)	9600	3/25	1.00	- -	12.80	14.56*	88
FOOTNOTES - See last page							

SEVIER RIVER BASIN including BEAVER RIVER



WATERSHED LOCATION

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station

INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER SEVIER RIVER (South of Richfield, Utah)						
12L7PT	U	Big Flat x	18	29S	4W	10,290
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	23	36S	8W	9,700
12M1P	U	Cedar Breaks	2	37S	9W	10,390
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
11L3P	U	Fish Lake x	35	26S	1E	8,700
12M5	U	Harris Flat	24	38S	7W	7,700
11L9P	U	High-Top Mountain.	36	25S	1E	11,400
12L6P	U	Kimberly Mine	11	27S	5W	9,300
12M6	U	Long Valley Junction x	22	38S	6W	7,500
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12L5	U	Squaw Springs	3	27S	2W	9,300
11M1	U	Widtsoe-Escalante Summit x	22	34S	1W	9,500
11M2PT	U	Widtsoe-Escalante #2 x	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3 x	22	34S	1W	9,500
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600
LOWER SEVIER RIVER (Including San Pitch River)						
11K13P	U	Beaver Dams	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2P	U	Gooseberry R.S.	22	23S	2E	8,400
11K4P	U	Gooseberry Reservoir x	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe x	12	14S	5E	9,800
11K3MP	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
11K39PT	U	Pickle Keg Springs	4	21S	3E	9,600
12L1P	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	23	18S	3E	8,500
BEAVER RIVER						
12L7PT	U	Big Flat	18	29S	4W	10,290
12L9P	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300

LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

SEVIER RIVER BASIN INCLUDING BEAVER RIVER

SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER SEVIER RIVER (South of Richfield, Utah)</u>						
Big Flat x	10290	3/24	52	17.2	18.3	16.9
Box Creek	9800	3/30	35	11.5	13.6	11.7b
Bryce Canyon	8000	3/31	0	0.0	0.3	2.0
Castle Valley	9700	3/30	31	10.7	9.1	11.7b
Duck Creek R.S.	8700	3/26	27	8.6	4.6	11.8
Fish Lake	8700	3/22	15	5.4	7.2	5.7
Harris Flat R.S.	7700	3/26	16	5.3	1.0	5.7
Kimberly Mine	9300	3/26	49	17.0	16.4	14.3
Long Valley Jct. x	7500	3/26	0	0.0	0.0	1.2
Midway Valley	9800	3/25	51	17.2	15.0	20.2b
Panguitch Lake	8200	3/25	6	2.3	0.2	2.2
Sqauw Springs	9300	3/30	12	5.4	6.7	6.3b
Widtsoe-Escalante Smt.	9500	3/29	4	1.4	4.6	5.4
Widtsoe-Escalante #2	9500	3/29	22	6.9	6.8	8.1
Widtsoe-Escalante #3	9500	3/29	28	8.9	9.8	7.4b
<u>LOWER SEVIER RIVER (Including San Pitch)</u>						
Beaver Dams	8000	3/25	32	11.3	11.9	11.2
Farnsworth Lake	9900	3/30	65	23.4	22.7	17.4
G.B.R.C. Headquarters	8700	3/31	44	15.4	16.5	16.1
G.B.R.C. Meadows	10000	3/31	73	28.0	26.3	24.3
Gooseberry R.S.	8400	3/30	39	14.1	13.0	10.8
Gooseberry Reservoir x	8700	3/26	50	19.4	18.8	18.1
Huntington-Horseshoe	9800	3/26	59	21.0	23.1	23.4
Mammoth R. S. - Ctnwd. Crk.	8800	3/26	57	20.4	19.6	19.0
Middle Fork	9600	3/24	74	25.2	24.0	22.5b
Mt. Baldy R.S.	9500	3/25	71	24.1	24.8	21.8
Oak Creek	7760	3/31	32	10.2	12.2	- -
Pickle Keg Springs	9600	3/22	50	16.4	18.8	- -
Pine Creek	8700	3/29	47	18.3	19.6	15.0
Ree's Flat	7300	3/23	47	15.8	14.0	12.0b
Shingle Mill	6200	3/29	29	10.6	8.9	8.3b
Thistle Flat	8500	3/24	52	17.1	17.4	15.5b
<u>BEAVER RIVER</u>						
Big Flat	10290	3/24	52	17.2	18.3	16.9
Merchant Valley	8200	3/24	24	8.8	8.8	8.1
Otter Lake	9300	3/24	46	14.2	15.8	13.3
FOOTNOTES - See last page						

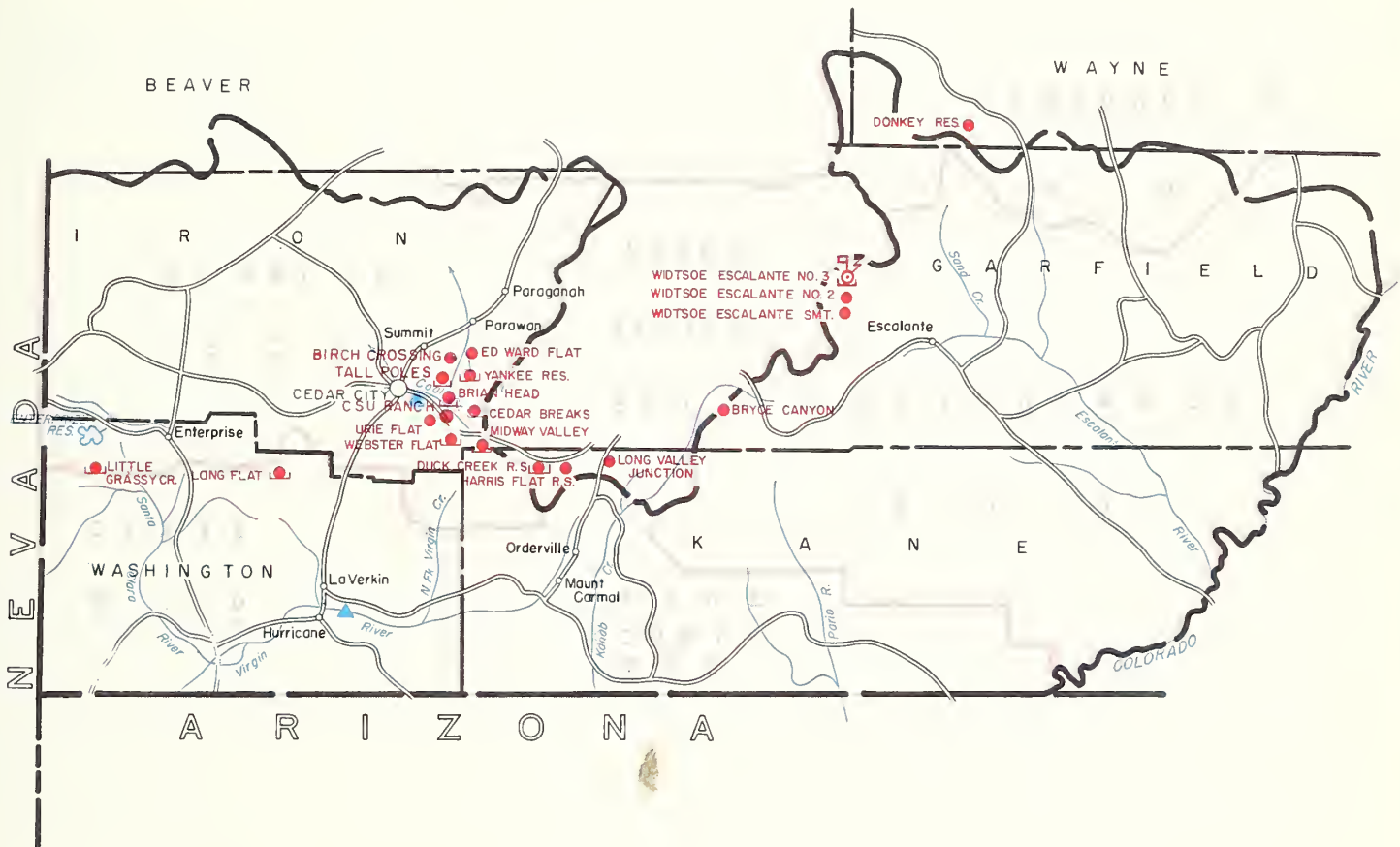
PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>SEVIER RIVER</u>							
Beaver Dams	8000	3/25	2.08	3.02b	13.83	14.32b	96
Big Flat x	10290	3/24	1.47	3.66b	- -	15.52*	- -
Box Creek	9800	3/30	2.20	3.07b	13.30	13.20b	101
Castle Valley	9700	3/30	1.24	3.19b	13.87	14.49b	96
Duck Creek R.S.	8560	3/26	0.52	3.20b	13.28	16.65*	80
Farnsworth Lake	9900	3/31	4.92	4.63b	24.23	18.15b	133
Fish Lake	8700	3/22	1.76	1.73b	9.47	8.11b	117
G.B.R.C. Headquarters	8700	3/31	2.55	3.80	19.90	17.57	113
G.B.R.C. Meadows	10000	3/31	4.25	4.62	26.77	21.03	127
G.B.R.C. Oaks	7655	3/31	1.38	2.53	11.60	12.05	96
Gooseberry R.S.	7800	3/30	3.52	3.03	14.82	12.59*	118
Gooseberry Reservoir x	8700	3/26	1.92	3.44b	19.06	17.27b	110
Kimberly Mine	8900	3/26	3.60	4.04	20.07	17.12*	117
Mammoth R.S. #2 x	8600	3/26	2.05	3.83b	20.24	18.23b	111
Mt. Baldy	9500	3/25	3.45	3.42b	20.70	15.85b	130
Oak Creek	7760	3/31	- -	- -	12.95	- -	- -
Panguitch Lake	8200	3/25	0.75	1.29b	7.28	6.80b	107
Pickle Keg Springs	9600	3/31	3.00	- -	- -	- -	- -
Pine Creek	8700	3/29	5.29	5.65b	29.17	21.74b	134
Shingle Mill	6200	3/29	3.09	3.17b	16.93	13.75b	123
Webster Flat x	9200	3/26	1.10	3.13	16.45	17.95*	92
Widtsoe-Escalante #3	9500	3/29	0.40	2.49	10.13	12.44b	81
Widtsoe R.S.	7600	3/29	0.15	0.77	5.82	4.55	128
<u>BEAR RIVER</u>							
Beaver Canyon P.H.	7275	3/31	0.40	- -	7.52	- -	- -
Big Flat	10290	3/24	1.47	3.66b	- -	15.52*	- -
Merchant's Valley	8650	3/24	1.40	- -	- -	- -	- -
FOOTNOTES - See last page							

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES

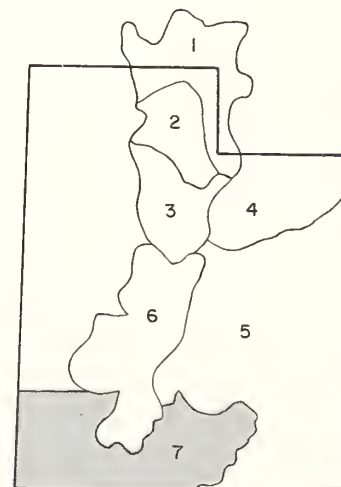


10 0 10 20 30 40
SCALE IN MILES



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station



WATERSHED LOCATION

INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PARIA RIVER						
12M8	U	Bryce Canyon x	36	36S	4W	8,000
PAROWAN CREEK						
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	8W	8,300
12M15 P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
COAL CREEK						
12M1P	U	Cedar Breaks x	2	37S	9W	10,390
12M17	U	CSU Ranch	18	37S	9W	8,200
12M2M	U	Midway Valley x	26	37S	9W	9,800
12M10	U	Urie Flat	11	37S	10W	8,450
12M3MP	U	Webster Flat x	20	37S	9W	9,200
ENTERPRISE TO NEW HARMONY DRAINAGES						
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MP	U	Long Flat	2	38S	14W	8,000
ESCALANTE RIVER						
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2 PT	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
VIRGIN RIVER						
12M1P	U	Cedar Breaks x	2	37S	9W	10,390
12M4P	U	Duck Creek R.S. x	11	38S	8W	8,700
12M5	U	Harris Flat x	24	38S	7W	7,700
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M2M	U	Midway Valley x	26	37S	9W	9,800
12M3MPT	U	Webster Flat	20	37S	9W	9,200

LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

EAST GARFIELD, KANE, WASHINGTON & IRON

SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>ESCALANTE RIVER</u>						
Widtsoe-Escalante Smt.	9500	3/29	4	1.4	4.6	5.4
Widtsoe-Escalante #2	9500	3/29	22	6.9	6.8	8.1
Widtsoe-Escalante #3	9500	3/29	28	8.9	9.8	9.4b
<u>PARIA RIVER</u>						
Bryce Canyon x	8000	3/31	0	0.0	0.3	2.0
<u>VIRGIN RIVER & COAL CREEK</u>						
CSU Ranch	8200	3/25	10	4.6	2.3	- -
Duck Creek R.S.	8700	3/26	27	8.6	4.6	11.8
Harris Flat x	7700	3/26	16	5.3	1.0	5.7
Long Valley Jct.	7500	3/26	0	0.0	0.0	1.2
Midway Valley X	9800	3/25	51	17.2	15.0	20.2b
Urie Flat	8450	3/26	14	6.2	6.3	5.1b
Webster Flat	9200	3/26	35	11.8	13.6	14.1
<u>PAROWAN CREEK</u>						
Birch Crossing	8100	3/25	16	6.2	5.5	- -
Brian Head	10000	3/25	58	19.2	17.9	- -
Ed Ward Flat	8300	3/30	18	6.1	7.9	6.5
Tall Poles	8800	3/25	45	14.8	12.0	- -
Yankee Reservoir	8700	3/30	27	8.7	9.5	9.1
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>						
Little Grassy Creek	6100	4/1	0	0.0	0.0	0.4b
Long Flat	8000	4/1	0	0.0	3.0	5.1b
FOOTNOTES - See last page						

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>ESCALANTE RIVER</u>							
Widtsoe-Escalante #3	9500	3/29	0.40	2.49b	10.13	12.44b	81
<u>VIRGIN RIVER</u>							
Duck Creek R.S.	8560	3/26	0.52	3.20b	13.28	16.65*	80
Webster Flat	9200	3/26	1.10	3.13*	16.45	17.95*	92
<u>COAL CREEK</u>							
Webster Flat x	9200	3/26	1.10	3.13*	16.45	17.95*	92
<u>PAROWAN CREEK</u>							
Tall Poles	8800	3/25	2.00	- -	11.38	- -	--
Yankee Reservoir	8700	3/30	1.35	2.84b	10.58	11.33b	93
<u>ENTERPRISE TO NEW HARMONY DRAINAGE</u>							
Little Grassy Creek	6100	4/2	0.42	2.19b	9.69	11.68*	83
Long Flat	8000	3/30	0.95	2.65b	9.90	11.56b	86
FOOTNOTES - See last page							

FOOTNOTES

1. Data supplied by U. S. Forest Service
2. Data supplied by U. S. Weather Bureau
3. Data supplied by U. S. Geological Survey, Bureau of Reclamation and River Commissioners
4. Data obtained by radio - USU-SCS Cooperative Sites

- + 1953-67 - 15-year average period
- b Average of all past record - less than 15 years
- c Taken at Compromise point

- A Aerial observation - water content estimated
- x Adjacent drainage
- * Partly estimated

The following footnotes apply only to Streamflow Forecast pages.

- (1) Includes UP&L Co. tailrace and Logan, Hyde Park & Smithfield Canal.
 - (2) Observed flow plus change in storage in East Canyon Reservoir.
 - (3) Inflow record as computed by U. S. Bureau of Reclamation.
 - (4) Observed flow Weber River near Wanship, Utah, plus change in storage in Rockport Reservoir, plus diversion by Weber-Provo Canal.
 - (5) Includes diversion by Weber-Provo Canal and change in storage in Rockport Reservoir.
 - (6) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal.
 - (7) Observed flow plus change in storage in Deer Creek Reservoir, minus diversions thru Duchesne tunnel and Weber-Provo Canal.
 - (8) Change in storage plus diversion thru Strawberry tunnel.
 - (9) Observed flow plus change in storage in Otter Creek Reservoir.
 - (10) Gage is below diversions near Salina
 - (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs.
 - (12) Observed flow at Rockyford Dam, corrected for change in storage in Minersville Reservoir.
 - (13) Observed flow plus diversion through Duchesne Tunnel.
 - (14) Observed flow plus change in storage in Moon Lake Reservoir.
 - (15) Observed flow plus change in storage reservoir.
 - (16) Corrections made for Strawberry, Moon Lake, Starvation Reservoir, Strawberry and Duchesne Tunnels.
- (a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U. S. Geological Survey.

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
Weather Bureau
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FEDERAL BLDG., — ROOM 5434
125 SOUTH STATE ST.
SALT LAKE CITY, UTAH 84111

OFFICIAL BUSINESS



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE

FIRST CLASS MAIL

U. S. Dept. of Agriculture
Library, Current Serials Record
Washington, D. C. 20250

FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*